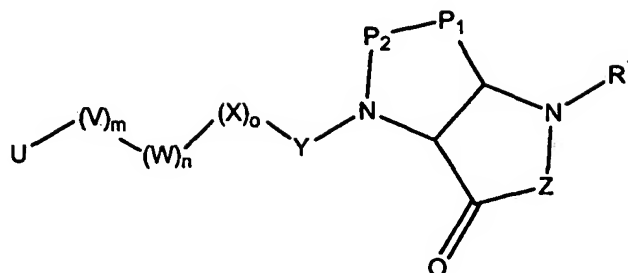


# ABSTRACT

Compounds of general formula (I)



(I)

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wherein Z = CR<sup>3</sup>R<sup>4</sup>, where R<sup>3</sup> and R<sup>4</sup> are independently chosen from C<sub>0-7</sub>-alkyl P<sub>1</sub> = CR<sup>5</sup>R<sup>6</sup>, P<sub>2</sub> = O, CR<sup>7</sup>R<sup>8</sup> or NR<sup>9</sup>, Y = CR<sup>10</sup>R<sup>11</sup>-C(O) or CR<sup>10</sup>R<sup>11</sup>-C(S) or CR<sup>10</sup>R<sup>11</sup>-S(O) or CR<sup>10</sup>R<sup>11</sup>-SO<sub>2</sub>(X)<sub>0</sub> = CR<sup>16</sup>R<sup>17</sup> (W)<sub>n</sub>=O, S, C(O), S(O) or S(O)<sub>2</sub>- or NR<sup>18</sup>(V)<sub>m</sub> = C(O), C(S), S(O), S(O)<sub>2</sub>, S(O)<sub>2</sub>NH, OC(O), NHC(O), NHS(O), NHS(O)<sub>2</sub>, OC(O)NH, C(O)NH or CR<sup>19</sup>R<sup>20</sup>, C=N-C(O)-OR<sup>19</sup> or C=N=C(O)-NHR<sup>19</sup>, U = a stable. 5- to 7 membered monocyclic or a stable 8- to 11-membered bicyclic ring which is either saturated or unsaturated, and which includes zero to four heteroatoms and their sales, hydrates, solvates, complexes and prodrugs are inhibitors of cathepsin K and other cysteine protease inhibitors and are useful as therapeutic agents, for example in osteoporosis, Paget's disease gingival diseases such as gingivitis and periodontis, hypercalcaemia of malignancy, metabolic bone disease, diseases involving matrix or cartilage degradation, in particular osteoarthritis and rheumatoid arthritis and neoplastic diseases. The compounds are also useful for validating therapeutic target compounds.

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